

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 2003217613  
PUBLICATION DATE : 31-07-03

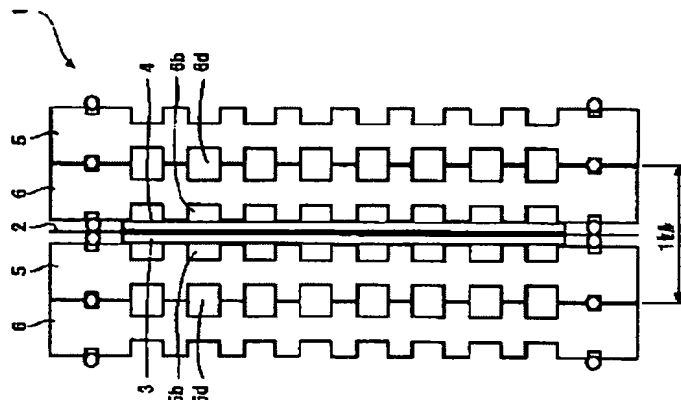
APPLICATION DATE : 25-01-02  
APPLICATION NUMBER : 2002016819

APPLICANT : NISSAN MOTOR CO LTD;

INVENTOR : CHO KENHA;

INT.CL. : H01M 8/02 H01M 8/10

TITLE : FUEL CELL



**ABSTRACT :** PROBLEM TO BE SOLVED: To achieve both cost reduction of separators, and prevention of deterioration of power generation.

**SOLUTION:** This fuel cell 1 is provided with two gas diffusion layers 3 and 4 having electrolyte as ion conductor between them, a separator 6 having a gas passage 6b to feed fuel gas to one gas diffusion layer, and a separator 5 having a gas passage 5b to feed oxidizer to the other gas diffusion layer. The separators 5 and 6 are composed of main components of conductive material and resin. An impurity purifying means is provided inside the fuel cell 1 to purify impurities originated from the separators 5 and 6 to dissolve in steam produced by oxidation of the cell, or condensed water generated as the steam is cooled.

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